

IN THE CLAIMS:

The following is a current listing of claims and will replace all prior versions and listings of claims in the application. Please amend the claims as follows:

1-9. (Canceled)

10. (Currently Amended) A method, comprising:

a device receiving incoming sound;

the device storing data representative of the incoming sound in a buffer;

in response to determining, at a first point in time, that the incoming sound satisfies an ~~recording~~ initiation criteria, the device:

retrieving data from the buffer, wherein the data retrieved from the buffer is representative of the incoming sound received during an interval of time preceding the first point in time;

~~storing wirelessly transmitting~~ the data retrieved from the buffer; ~~on a memory medium;~~

~~initiating storage, on the memory medium, of wirelessly transmitting~~ data that is representative of incoming sound received after the first point in time; and

in response to determining that the received incoming sound satisfies a ~~recording~~ termination criteria at a second point in time subsequent to the first point in time, the device discontinuing ~~storing the wireless transmission of the data that is~~ representative of ~~the~~ incoming sound, ~~on the memory medium.~~

11. (Currently Amended) ~~[[A]] The method according to of~~ claim 10, wherein the buffer is a FIFO buffer.

12. (Currently Amended) ~~[[A]] The method in accordance with of~~ claim 10, wherein the ~~recording~~ initiation criteria comprises a sound intensity level of the incoming sound exceeding a first threshold.

13. (Currently Amended) [[A]] ~~The method in accordance with~~ of claim 12, wherein the ~~recording~~ termination criteria comprises a sound intensity level of the incoming sound being below a second threshold.
14. (Currently Amended) [[A]] ~~The method in accordance with~~ of claim 13, wherein the second threshold is lower than the first threshold.
15. (Currently Amended) [[A]] ~~The method in accordance with~~ of claim 13, wherein the second threshold is the same as the first threshold.
16. (Currently Amended) [[A]] ~~The method in accordance with~~ of claim 10, wherein the ~~recording~~ initiation criteria comprises ~~comprises~~ a spectral power density of the sound exceeding a first threshold.
17. (Currently Amended) [[A]] ~~The method in accordance with~~ of claim 10, wherein the ~~recording~~ initiation criteria comprises at least one moving average of the sound intensity level of the incoming sound exceeding a first threshold.
18. (Currently Amended) [[A]] ~~The method in accordance with~~ of claim 10, further comprising varying the length of the data retrieved from the buffer based on a user input.
19. (Currently Amended) [[A]] ~~The method in accordance with~~ of claim ~~18~~ 10, ~~wherein the length of the data retrieved from the buffer is varied further comprising varying the length of the data retrieved from the buffer~~ based on at least one of: a sound intensity level of the incoming sound, and a spectral power density of the incoming sound.
20. (Currently Amended) [[A]] ~~The method in accordance with~~ of claim 10, ~~wherein the device is a wireless telephone, further comprising transmitting the data stored on the memory medium to another device.~~

21. (Currently Amended) A method, comprising:
a device ~~recording~~ receiving incoming sound;
the device identifying, within the incoming sound, a first time segment corresponding to sound that is above a threshold and a second time segment, immediately preceding the first time segment, corresponding to sound that is below the threshold;
the device ~~storing, on a first recording medium,~~ wirelessly transmitting data corresponding to sound ~~recorded~~ received during the first time segment; and
the device ~~storing, on a second recording medium,~~ wirelessly transmitting data corresponding to sound ~~recorded~~ received during a first sub-portion of the second time segment that immediately precedes the beginning of the first segment, wherein data corresponding to sound ~~recorded~~ received during a second sub-portion of the second time segment that is not part of the first sub-portion is not wirelessly transmitted ~~stored on the second recording medium.~~
22. (Currently Amended) ~~[[A]] The method in accordance with of claim 21, wherein the device is a wireless telephone. first recording medium and the second recording medium are the same.~~
- 23-24. (Canceled)
25. (Currently Amended) ~~[[A]] The method in accordance with of claim 21, further comprising transmitting~~ storing the data corresponding to the sound ~~recorded~~ received during the first time segment and the data corresponding to the sound ~~recorded~~ received during a first sub-portion of the second time segment ~~to another device~~ on a recording medium.
26. (Canceled)
27. (Currently Amended) ~~[[A]] The method in accordance with of claim 21, further comprising varying the length of the first sub-portion of the second time segment~~ based on a user input.

28. (Currently Amended) A device, comprising:
an input interface configured to receive input data representing sound;
a recording wireless transmission interface configured to facilitate recording transmitting
data on a recording medium;
a processor; and
memory having stored thereon instructions executable by the device to cause the device
to:

identify one or more detected sound segments and one or more effective silence
segments within the sound;

transfer data representing the one or more detected sound segments to the
recording wireless transmission interface to be ~~recorded on the recording medium~~ wirelessly
transmitted; and

transfer data representing one or more play-back periods to the recording wireless
transmission interface to be ~~recorded on the recording medium~~ wirelessly transmitted, wherein
the one or more play-back periods are each within one of the one or more effective silence
segments and immediately preceding one of the one or more detected sound segments, wherein
at least one play-back period is shorter than the effective silence segment that it is within;

wherein data representing portions of the one or more effective silence segments
that are not part of the one or more play-back periods are not transferred to the recording
wireless transmission interface.

29. (Currently Amended) ~~[[A]] The device in accordance with~~ of claim 28, further
comprising:

a microphone configured to receive the sound and generate the input data representing
the sound; and

a user interface configured to receive a user input of a desired value for at least one of the
one or more play-back periods; and

wherein the instructions are further executable to cause the device to set a duration of the
at least one play-back period based on the desired value.

30. (Currently Amended) ~~[[A]] The device in accordance with~~ of claim 28, further comprising a buffer configured to store a portion of the input data that represents at least one of the one or more play-back periods, wherein the portion of the input data is stored by the buffer prior to the device transferring the data representing the at least one play-back period to the ~~recording~~ wireless transmission interface.

31. (Currently Amended) ~~[[A]] The device in accordance with~~ of claim 30, wherein the buffer comprises a FIFO memory device.

32. (Currently Amended) A wireless communication device, comprising:

a microphone configured to receive sound waves;

an input interface coupled to the microphone and configured to generate input data representative of the sound waves;

a wireless transmitter;

a wireless processor; and

memory having stored thereon instructions executable by the ~~processor~~ wireless communication device to cause the ~~sound recorder~~ wireless communication device to:

identify one or more detected sound segments and one or more effective silence segments within the sound waves;

wirelessly transmit the one or more detected sound segments to a receiving device; and

wirelessly transmit one or more play-back periods to the receiving device, wherein the one or more play-back periods are each within one of the one or more effective silence segments and immediately preceding one of the one or more detected sound segments, wherein at least one play-back period is shorter than the effective silence segment that it is within;

wherein portions of the one or more effective silence segments that are not part of the one or more play-back periods are not transmitted.

33. (Currently Amended) ~~[[A]] The wireless communication device in accordance with of~~
~~claim 32, further comprising a buffer, wherein the instructions are further executable to cause the~~
~~wireless communication device to: is configured to store a portion of the input data that includes~~
~~at least one of the one or more play-back periods prior to the at least one play-back period being~~
~~transmitted.~~

receive a user input of a desired value for at least one of the one or more play-back
periods; and

set a duration of the at least one play-back period based on the desired value.

34. (Currently Amended) A method comprising:

a device storing a digital representation of incoming sound in a buffer;

the device monitoring one or more attributes of the incoming sound for the presence of a
first predetermined condition;

the device determining that the first predetermined condition is detected;

responsive to said determining, the device ~~transferring to a recording medium~~
transmitting via a wireless transmitter:

a digital representation of the incoming sound corresponding to a first time period
beginning a predetermined length of time before the first predetermined condition is detected and
continuing until at least until the first predetermined condition is detected; and

a digital representation of the incoming sound corresponding to a second time
period beginning when the first predetermined condition is detected and continuing until a
second predetermined condition is detected.

35. (Currently Amended) ~~[[A]] The method in accordance with of~~ claim 34, wherein the
buffer is a FIFO (first-in, first-out) memory.

36. (Currently Amended) ~~[[A]] The method in accordance with of~~ claim 34, wherein the one
or more attributes include sound intensity level, wherein determining that the first predetermined
condition is detected comprises determining that the sound intensity level of the incoming sound
exceeds a first threshold.

37. (Currently Amended) [[A]] ~~The method in accordance with~~ of claim 34, wherein the first predetermined condition is based on at least spectral power densities of the incoming sound.

38. (Currently Amended) [[A]] ~~The method in accordance with~~ of claim 34, wherein the first predetermined condition is based on at least one moving average of an intensity level of the incoming sound.

39. (Currently Amended) [[A]] ~~The method in accordance with~~ of claim 34, wherein said ~~transferring transmitting~~ comprises converting the digital representations of the incoming sound into a format suitable for wireless transmission and subsequently transmitting the digital representations wirelessly ~~to the recording medium~~.

40. (Currently Amended) [[A]] ~~The method in accordance with~~ of claim 34, further comprising: ~~reproducing the incoming sound, wherein said reproducing includes converting the digital representation of the incoming sound to analog audio signals and outputting the analog audio signals via a speaker~~

receive a user input of a desired value for the predetermined length of time before the first predetermined condition is detected; and

set a duration of the predetermined length of time before the first predetermined condition is detected based on the desired value.

41. (Currently Amended) [[A]] ~~The method in accordance with~~ of claim 34, wherein the digital representation of the incoming sound corresponding to the second time period is transferred to the ~~recording medium~~ wireless transmitter from the buffer.

42. (Currently Amended) [[A]] ~~The method in accordance with~~ of claim 41, wherein the first predetermined condition is detected by monitoring the digital representation of the incoming sound.

43-53. (Canceled)